

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

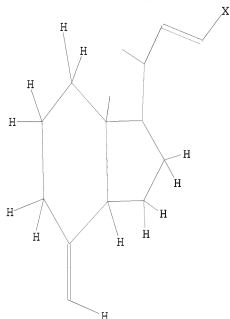
Uploading C:\Program Files\Stnexp\Queries\10579594.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 191.05 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 16:38:05 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 272 TO ITERATE

100.0% PROCESSED 272 ITERATIONS

16 ANSWERS

SEARCH TIME: 00.00.01

L2 16 SEA SSS FUL L1

=> file caplus

10/923,271

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	191.54	191.76

FILE 'CAPLUS' ENTERED AT 16:38:13 ON 22 DEC 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 22 Dec 2010 VOL 153 ISS 26
FILE LAST UPDATED: 21 Dec 2010 (20101221/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

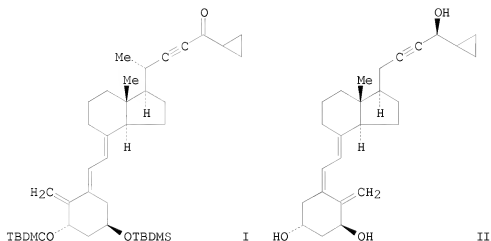
```
=> s l2 and py<2004
      7 L2
      24052076 PY<2004
L3      2 L2 AND PY<2004
```

```
=> d l-2 ibib abs hitstr
THE ESTIMATED COST FOR THIS REQUEST IS 11.62 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N/y
```

```
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS ON STN
ACCESSION NUMBER: 1994:245588 CAPLUS
DOCUMENT NUMBER: 120:245588
ORIGINAL REFERENCE NO.: 120:43561a,43564a
TITLE: 1a,24S-Dihydroxy-26,27-cyclo-22-yne vitamin D3:
the side chain triple bond analog of MC 903
(calciopitriol)
AUTHOR(S): Calverley, Martin J.; Bretting, Claus Aa.S.
CORPORATE SOURCE: Chem. Res. Dep., Leo Pharm. Prod., Ballerup, DK-2750,
Den.
SOURCE: Bioorganic & Medicinal Chemistry Letters (1993
), 3(9), 1841-4
```

DOCUMENT TYPE:
LANGUAGE:
OTHER SOURCE(S):
GI

CODEN: BMCLE8; ISSN: 0960-894X
Journal
English
CASREACT 120:245588



AB The side chain propargylic alc. function [established stereoselectively via *S*-Alpine-Borane reduction of ynone I (TBDMS = tert-butyldimethylsilyl) and correlated with MC 903] in the title compound II replaces the metabolically labile allylic alc. function of MC 903, a selective analog of the vitamin D hormone used for treating psoriasis. II exhibits reduced in vitro activity but still shows selectively much lower in vivo calcemic effects.

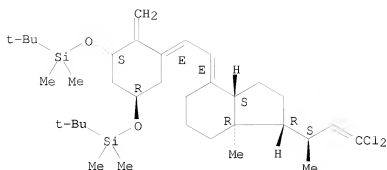
IT 154171-12-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and lithiation and cyclopropylcarbonylation of)

RN 154171-12-7 CAPLUS

CN Silane, [[(1 α ,3 β ,5E,7E)-23,23-dichloro-24-nor-9,10-secocchole-5,7,10(19),22-tetraene-1,3-diyl]bis(oxy)]bis[(1,1-dimethylethyl)dimethyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



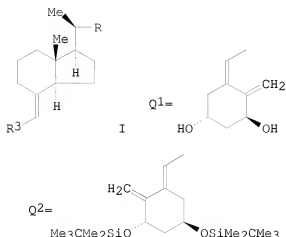
L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 1992:255875 CAPLUS
 DOCUMENT NUMBER: 116:255875
 ORIGINAL REFERENCE NO.: 116:43403a, 43406a
 TITLE: Preparation of vitamin D analogs as drugs
 INVENTOR(S): Bretting, Claus Aage Svendsgaard
 PATENT ASSIGNEE(S): Leo Pharmaceutical Products Ltd. A/S, Den.
 SOURCE: PCT Int. Appl., 40 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9203414	A1	19920305	WO 1991-DK200	19910711 <--
W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MC, MG, MN, MW, NO, PL, RO, SD, SU, US				
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, ML, MR, NL, SE, SN, TD, TG				
CA 2078555	A1	19920216	CA 1991-2078555	19910711 <--
CA 2078555	C	20021126		
AU 9184223	A	19920317	AU 1991-84223	19910711 <--
AU 636510	B2	19930429		
EP 543864	A1	19930602	EP 1991-914384	19910711 <--
EP 543864	B1	19941214		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 06500089	T	19940106	JP 1991-513854	19910711 <--
JP 3246914	B2	20020115		
ES 2068601	T3	19950416	ES 1991-914384	19910711 <--
RU 2126384	C1	19990220	RU 1992-16313	19910711 <--
CZ 286485	B6	20000412	CZ 1992-3726	19910711 <--
US 5447924	A	19950905	US 1992-927420	19920922 <--
FI 103791	B	19990930	FI 1992-5547	19921207 <--
FI 103791	B1	19990930		
SK 281443	B6	20010312	SK 1992-3726	19921217 <--
LV 10089	B	19941020	LV 1993-243	19930215 <--
LT 3666	B	19960125	LT 1993-965	19930910 <--
PRIORITY APPLN. INFO.:			GB 1990-17890	A 19900815
			CS 1992-3726	A 19910711

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

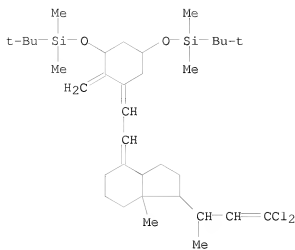
OTHER SOURCE(S): MARPAT 116:255875

GI



- AB Title compds. [I; R = Z1C.tplbond.CZ2CR1R2X; R1, R2 = H, hydrocarbonyl; or R1R2 = atoms to form a carbocyclic ring; R3 = cyclohexylidenemethylidyne group Q1; X = H, OH; Z1 = (substituted)(CH2)m; Z2 = bond, hydrocarbonylenediyl; m = 0-2] were prepared as antiinflammatories, immunomodulators, etc. (no data). Thus, I (R = CHO, R3 = cyclohexylidenemethylidyne group Q2) was condensed with (Me2N)3P:CCL2 (prepared in situ) and the product treated, in turn, with BuLi and Br(CH2)3Cet2OSiMe3 to give I [R = C.tplbond.C(CH2)3Cet2OSiMe3, R3 = Q2] which was photoisomerized to give, after deprotection, I [R = C.tplbond.C(CH2)3Cet2OH, R3 = Q1].
- IT 141545-84-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reaction of, in preparation of antiinflammatory and immunomodulator)
- RN 141545-84-8 CAPLUS
- CN 1H-Indene, 4-[(2E)-2-[(3S,5R)-3,5-bis[[[(1,1-dimethylethyl)dimethylsilyl]oxy]-2-methylenecyclohexylidene]ethylidene]-1-[(1R)-3,3-dichloro-1-methyl-2-propen-1-yl]octahydro-7a-methyl-, (1R,3aS,4E,7aR)- (CA INDEX NAME)

10/923,271



OS.CITING REF COUNT:	9	THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT